

## INTERNATIONAL SEARCH REPORT

Internal	Application No
PCT/EP2005/001190	

A. CLASSIFICATION OF SUBJECT MATTER				
IPC 7	C21D7/04	B21K1/08	B23P9/04	B24B39/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7	C21D	B21K	B23P	B24B
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 34 38 742 A1 (MASCHINENFABRIK ALFING KESSLER GMBH; MASCHINENFABRIK ALFING KESSLER GM) 30 April 1986 (1986-04-30) cited in the application the whole document	20
A	US 2 888 846 A (PERAS LUCIEN) 2 June 1959 (1959-06-02) the whole document	1-19
A	US 2 888 846 A (PERAS LUCIEN) 2 June 1959 (1959-06-02) the whole document	1-20
A	PATENT ABSTRACTS OF JAPAN Vol. 009, no. 138 (C-286), 13 June 1985 (1985-06-13) & JP 60 024319 A (HONDA GIKEN KOGYO KK), 7 February 1985 (1985-02-07) abstract; figures 1-4	1,20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
13 June 2005	24/06/2005
Name and mailing address of the ISA	Authorized officer

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INTERNATIONAL SEARCH REPORT

Nr. 5222 S. 33

## Information on patent family members

Intern: Application No  
PCT/EP2005/001190

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
DE 3438742	A1	30-04-1986	EP US	0180855 A1 4682489 A	14-05-1986 28-07-1987
US 2888846	A	02-06-1959	NONE		
JP 60024319	A	07-02-1985	JP	1852379 C JP 5059170 B	21-06-1994 30-08-1993